

## TABLE OF CONTENTS

Acknowledgments .....	v
Science Standards Revision Team .....	vi
Introduction.....	vii
Epigraph .....	x
<b>Kindergarten</b>	
I. Inquiry.....	1
II. Life Science .....	1
Units of Study: Animals and Plants	
My Body	
III. Earth Science .....	2
Units of Study: Rocks, Soil, and Water	
Seasonal Changes	
IV. Physical Science .....	3
Unit of Study: Exploring Matter	
 <b>Grade 1</b>	
I. Inquiry.....	4
II. Life Science .....	5
Unit of Study: Plants	
III. Earth Science .....	6
Unit of Study: Things in the Sky	
IV. Physical Science .....	6
Units of Study: Properties of Objects and Materials	
Exploring Motion	
 <b>Grade 2</b>	
I. Inquiry.....	8
II. Life Science .....	9
Unit of Study: Animals	
III. Earth Science .....	10
Unit of Study: Weather	
IV. Physical Science.....	10
Units of Study: Changes in Matter	
Magnets	

**Grade 3**

I.	Inquiry.....	12
II.	Life Science.....	13
	Unit of Study: Habitats and Adaptations	
III.	Earth Science.....	14
	Unit of Study: Earth Materials	
IV.	Physical Science.....	15
	Units of Study: Heat and Changes of Matter	
	Machines and Motion	

**Grade 4**

I.	Inquiry.....	17
II.	Life Science.....	18
	Unit of Study: Organisms and Their Environment	
III.	Earth Science.....	19
	Units of Study: Sky Patterns	
	Weather and Climate	
IV.	Physical Science.....	21
	Units of Study: Electricity and Magnetism	
	Light and Sound	

**Grade 5**

I.	Inquiry.....	23
II.	Life Science.....	24
	Units of Study: Cells and Systems	
	Ecosystems (Aquatic/Terrestrial)	
III.	Earth Science.....	26
	Unit of Study: Changes in the Earth's Surfaces: Landforms	
	and Oceans	
IV.	Physical Science.....	27
	Units of Study: Mixtures and Solutions	
	Forces, Motion, and Design	

**Grade 6**

I.	Inquiry.....	29
II.	Life Science.....	33
	Units of Study: Fungi and Plants	
	Muscular and Skeletal Systems	
III.	Earth Science.....	36
	Unit of Study: Energy Transfer in the Atmosphere	
IV.	Physical Science.....	38

## Grade 6 (continued)

- Units of Study: Physical Properties and Changes of Matter  
 Machines and Work  
 Forms and Transfer of Energy

## Grade 7

I. Inquiry.....	42
II. Life Science .....	45
Units of Study: Organization and Classification of Living Things Genetics Ecology—The Biotic Environment	
III. Earth Science .....	51
Unit of Study: Ecology—The Abiotic Environment	
IV. Physical Science .....	53
Unit of Study: Chemical Nature of Matter	

## Grade 8

I. Inquiry.....	55
II. Life Science .....	59
Unit of Study: Classification, Diversity, and Adaptations of Organisms over Time	
III. Earth Science .....	61
Units of Study: Earth and Space Systems Earth Processes	
IV. Physical Science .....	65
Units of Study: Forces and Motion Light	

## Grades 9-12

I. Inquiry.....	67
II. Life Science .....	70
III. Earth Science .....	78
IV. Physical Science (Chemistry).....	83
V. Physical Science (Physics) .....	89

Appendix A: Expert External Review Panel.....	94
Appendix B: Expert Internal Review Panel.....	95
Appendix C: Focus Group Reviewers .....	96
Appendix D: Glossary.....	97
Appendix E: Bibliography .....	100

